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LETTER DISCUSSING APPROVED CONSTRUCTION PERMIT FOR EMERGENCY
RECOVERY WELLS AT SOLID WASTE MANAGEMENT UNITS 5, 8 AND 60 MILLINGTON
SUPPACT TN
4/28/1998
MEMPHIS AND SHELBY COUNTY HEALTH DEPARTMENT



MEMPHIS AND SHELBY COUNTY
HEALTH DEPARTMENT

YVONNE S. MADLOCK
Director

JOHN B. KIRKLEY, M.D.
Interim Health Officer



DR. W. W. HERENTON
Mayor of Memphis

JIM ROUT
Mayor of Shelby County

april 28, 1998

MAY - 4 1998

Mr. Joe Matthews
Ensafe/Allen and Hoshall
5724 Summer Trees Drive
Memphis, TN 38134

RE: **EMERGENCY FILL/ABANDONMENT OF WELL AT:**
SWMU 5, SWMU 60, SWMU 8
(Naval Support Activity)
Permit #98-076

Dear Mr. Matthews:

This letter acknowledges the oral approval given by this Office for the emergency fill and abandonment of a well at the above referenced location. The "CONSTRUCTION PERMIT" has been enclosed authorizing you to begin work at the earliest possible date. You will be expected to comply with all conditions indicated on the permit as well as the specifications outlined on the application. The permit must be maintained at the job site for the duration of the fill and abandonment process.

Your prompt attention and cooperation in this matter will be appreciated. In the meantime if you have any questions, please contact Mr. Greg Parker at 576-7741.

Sincerely,

J. Carter S. Gray, Manager
POLLUTION CONTROL SECTION

GP:JCSG:mpc

Enclosure

WATER QUALITY CONTROL

Memphis and Shelby County Health Department

WATER WELL CONSTRUCTION PERMIT

WELL DRILLING COMPANY ENSAFEE/ALLEN AND HOSHALL
ADDRESS 5724 Summer Trees Drive Memphis, TN 38134
DATE ISSUED 11/4/97 EXPIRATION DATE 2/4/98 PERMIT # 98-076
DESCRIPTION OF WORK Fill and abandonment of a well: Naval Support Activity
EMERGENCY PERMIT SWMU 5, SWMU 60, SWMU 8

This permit is issued based on signed commitment by the driller and the owner of said well to fully comply with the requirements set forth in the approved application or as directed by the Memphis and Shelby County Health Department. Deviation from the approved application or any conditions that are set forth by the Health Department shall void this permit.

CONDITIONS:

1. The abandoned well shall be sealed only by a licensed well contractor.
2. All procedures used in sealing the well shall be witnessed by a representative of the Memphis and Shelby County Health Department.
3. All water lines to the well are to be disconnected.
4. The well is to be dismantled in such a way that all working parts from inside the casing are removed.
5. Any obstructions found in the well are to be removed.
6. The empty casing is to be filled by one of two methods:
 - a) With a Portland Class A or quick setting cement in a ratio not over seven (7) gallons of water per ninety-four pounds of cement.
 - b) A coarse grained high solids non-drilling mud grade bentonite slurry such as Baroid Benseal, American Colloid or equal. The bentonite grout shall be mixed in accordance with the manufacturers recommendations.
7. The grout shall be pumped from the bottom of the well upward through a tremmie pipe in one continuous operation in order to avoid separation or dilution of the seal material. A return shall be seen that is the same consistency at the top as the material that is pumped into the well.
8. Chlorine shall be added at the beginning and during the sealing process.
9. The well must be sealed within thirty (30) days of receipt of this permit.
10. The Health Department shall be notified before procedures are to begin in sealing the well. This includes all dismantling procedures and lowering the pipe used for grouting.

J. CARTER S. GRAY
MANAGER, POLLUTION CONTROL

No authority is granted by this permit to construct, operate, or maintain any well in violation of any law, statute, code, ordinance, rule, or regulation of Memphis and Shelby County, Tennessee.

NON TRANSFERABLE

POST OR FILE AT CONSTRUCTION SITE

GP 4/29/98